

AMENDMENTS TO THE CLAIMS

Claims 1 to 7 (Canceled).

8 (Currently Amended). A method for controlling a physiological function comprising ~~the steps of~~

placing at least one electrode on, in, or near a targeted component of the pudendal nerve, and/or its branch(es), and/or its spinal root(s),

selecting an electrical signal having an amplitude,

applying ~~an~~ the electrical signal at the selected amplitude to the electrode to selectively stimulate the targeted component, and

without substantially changing the selected amplitude, selecting between a first frequency or range of frequencies to achieve a first desired physiologic response and a second frequency or range of frequencies to achieve a second desired physiologic response different than the first physiologic response.

9 (Original). A method according to claim 8

wherein the targeted component comprises a urethral afferent of the pudendal nerve and/or afferent nerve fibers in the deep perineal nerve.

10 (Original). A method according to claim 8

wherein the physiological function comprises one of controlling urinary incontinence and controlling micturition.

Claims 11 and 12 (Canceled).

13 (Currently Amended). A method for controlling a physiological function of the lower urinary tract comprising ~~the steps of~~

placing at least one electrode on, in, or near afferent nerve fibers in the deep perineal nerve, ~~and~~

selecting an electrical signal having an amplitude,

applying ~~an~~ the electrical signal at the selected amplitude to the electrode to selectively stimulate the afferent nerve fibers in the deep perineal nerve, and

without substantially changing the selected amplitude, selecting between a first frequency or range of frequencies to control urinary continence and a second frequency or range of frequencies different than the first frequency to control micturition.

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Amendment B

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Claims 14 - 15 (Canceled).